

## EAST Search History

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 2    | ("4269918"   "5534380").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/12/14 10:30 |
| L2    | 12   | ("4269918").URPN.  | USPAT                        | OR               | ON      | 2007/12/14 10:31 |
| L3    | 11   | ("5750314").URPN.  | USPAT                        | OR               | ON      | 2007/12/14 10:32 |
| L4    | 613  | (mask stencil screen) near3<br>print\$3 same (ink\$1jet jet\$4<br>drop\$4 microdroplet inject\$3) with<br>(print\$3 dispens\$3 deposit\$3<br>eject\$3 inject\$3) and (adhesive<br>solder conduct\$3 metal\$3 glue)<br>near4 (paste ink liquid medium<br>glue material) same (second<br>multiple) with (time layer solder<br>adhesive)  | USPAT;<br>EPO; JPO           | OR               | ON      | 2007/12/14 12:13 |
| L5    | 41   | 4 and "228"/\$   | USPAT;<br>EPO; JPO           | OR               | ON      | 2007/12/14 11:13 |
| L6    | 31   | ("20020051728"   "20020083866"<br>  "20020096085"   "20020135650"<br>  "20030010252"   "20030038869"<br>  "20030064206"   "20030079647"<br>  "20030107632"   "20030138991"<br>  "4113578"   "5326678"  <br>"5350653"   "5387487"  <br>"5486438"   "5492784"  <br>"5700614"   "5750762"  <br>"5840417"   "5879439"  <br>"5882390"   "5972082"  <br>"5993524"   "6120589"  <br>"6214636"   "6231652"  <br>"6247640"   "6261349"  <br>"6372547"   "6613136"  <br>"6792677").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/12/14 10:47 |
| L7    | 28   | ("5155904").URPN.  | USPAT                        | OR               | ON      | 2007/12/14 11:11 |
| L8    | 37   | 4 and "29"/\$.ccls. not 5  | USPAT;<br>EPO; JPO           | OR               | ON      | 2007/12/14 11:39 |
| L9    | 102  | 4 and "156"/\$ not 5 not 8   | USPAT;<br>EPO; JPO           | OR               | ON      | 2007/12/14 12:02 |
| L10   | 11   | ("4321778"   "4673609"  <br>"4925705"   "5281499"  <br>"5830529"   "6210776"  <br>"6212805"   "6267052"  <br>"6506475"   "6507413"  <br>"RE37186").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/12/14 11:43 |
| L11   | 75   | 4 and "427"/\$ not 5 not 8 not 9   | USPAT;<br>EPO; JPO           | OR               | ON      | 2007/12/14 12:09 |
| L12   | 1    | "5839188".pn.  | USPAT;<br>EPO; JPO           | OR               | ON      | 2007/12/14 12:09 |

## EAST Search History

|     |     |   |                                 |    |    |                  |
|-----|-----|---|---------------------------------|----|----|------------------|
| L13 | 104 | "228"/\$ and (mask stencil screen) near3 print\$3 and (ink\$1jet jet\$4 drop\$4 microdroplet inject\$3) with (print\$3 dispens\$3 deposit\$3 eject\$3 inject\$3) and (adhesive solder conduct\$3 metal\$3 glue) near4 (paste ink liquid medium glue material) same (second multiple) with (time layer solder adhesive) not 5                                  | USPAT;<br>EPO; JPO              | OR | ON | 2007/12/14 12:14 |
| L14 | 19  | ("5220200"   "5261593"   "5547740"   "5564617"   "5747102"   "5847456"   "5869904"   "5975408"   "5988485"   "6121689"   "6190940"   "6194788"   "6209196"   "6228678"   "6234379"   "6265776"   "6297560"   "6352881"   "6373142").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/14 12:18 |
| L15 | 1   | "6265776".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/14 14:08 |
| L16 | 4   | ("4771261").URPN.   | USPAT                           | OR | ON | 2007/12/14 14:47 |
| L17 | 28  | ("5155904").URPN.   | USPAT                           | OR | ON | 2007/12/14 15:18 |
| L18 | 2   | ("5330096").URPN.   | USPAT                           | OR | ON | 2007/12/14 15:21 |
| L19 | 3   | ("5639010").URPN.   | USPAT                           | OR | ON | 2007/12/14 15:21 |
| L20 | 17  | ("1526266"   "2084827"   "2624294"   "3442207"   "4208005"   "4791006"   "4872261"   "4919969"   "5254362"   "5368883"   "5436028"   "5593080"   "5639010").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/14 15:22 |
| S1  | 32  | ("20020014602" "3580462" "3689987" "3738760" "3962487" "4239827" "4660771" "5108024" "5151299" "5151299" "5320250" "5505777" "5558504" "5574801" "5711989" "5711989" "5740729" "5839188" "5912732" "5913455" "5947022" "6026176" "6033503" "6036994" "6100787" "6264097" "6271060" "6296896" "6411545" "6450416" "6511545" "6541063" "6613240" "6692095").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 13:23 |
| S2  | 23  | ("0015780" "3689987" "3738760" "3962487" "4239827" "4660771" "5108024" "5151299" "5320250" "5505777" "5558504" "5574801" "5740729" "5839188" "5912732" "5913455" "5947022" "6026176" "6100787" "6264097" "6511545" "6613240" "6692095").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 13:50 |

## EAST Search History

|    |      |   |                                 |    |    |                  |
|----|------|---|---------------------------------|----|----|------------------|
| S3 | 70   | ("5641346" "6450416" "6540152"<br>"6578773" "7011382" "7201802"<br>"7229145" "20020014602"<br>"20020015780" "20020043570"<br>"20020047052" "20040118935"<br>"20040217193" "20050167519"<br>"20060176327" "20060275538"<br>"20070137558" "20070146404"<br>"5531817" "5609671" "6342105"<br>"6575564" "20040262824"<br>"20050092774" "20070139453"<br>"20070146442" "5734392"<br>"6270019" "6379444"<br>"20050001869" "20050095366"<br>"20050095367" "20060193969"<br>"20070000603" "5197985"<br>"4246839" "4347060" "4375126"<br>"4379804" "4508172" "4511000"<br>"4521495" "4532986" "4535845"<br>"4552778" "4565245" "4577691"<br>"4770641" "4837507" "4849379"<br>"4859495" "4862384" "4877475"<br>"4881941" "4885053" "4891318"<br>"4930413" "5017666" "5018979"<br>"5275743" "5295837" "5304390"<br>"5342720" "5356805" "5376699"<br>RE34904 "5435839" "5458719"<br>"5476576" "5494472" ).pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 15:03 |
| S4 | 9    | william with holm.in. and printing  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 15:04 |
| S5 | 0    | nils with jacobsson.in. and printing<br>not S4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 15:05 |
| S6 | 1210 | screen near2 print\$3 and<br>(adhesive solder) near3 (paste ink<br>liquid medium) and (jet\$4 drop\$4)<br>near3 (print\$3 dispens\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 15:08 |
| S7 | 957  | screen near2 print\$3 and<br>(adhesive solder) near3 (paste ink<br>liquid medium) and (jet\$4 drop\$4)<br>near3 (print\$3 dispens\$3) and<br>(add\$3 addition\$3 second<br>multiple) near5 (layer print\$3<br>dispens\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 15:10 |
| S8 | 376  | screen near2 print\$3 and<br>(adhesive solder) near3 (paste ink<br>liquid medium) and (jet\$4 drop\$4)<br>near3 (print\$3 dispens\$3) and<br>(add\$3 addition\$3 second<br>multiple) near5 (layer print\$3<br>dispens\$3) with (adhesive solder)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 17:19 |
| S9 | 3    | ("5315070"   "5435481"  <br>"5540379").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/12 15:52 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S10 | 11 | ("5435481").URPN.   | USPAT                        | OR | ON | 2007/12/12 15:53 |
| S11 | 16 | ("4104102"   "4206542"  <br>"4332341"   "4346516"  <br>"4462534"   "4871110"  <br>"5279045"   "5284287"  <br>"5410807"   "5431332"  <br>"5435481"   "5435482"  <br>"5445313"   "5615823"  <br>"5657528"   "5695667").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 15:54 |
| S12 | 1  | ("5899376").URPN.   | USPAT                        | OR | ON | 2007/12/12 15:55 |
| S13 | 14 | ("3292240"   "3900153"  <br>"4471026"   "4493451"  <br>"4519537"   "4740252"  <br>"4995546"   "5024372"  <br>"5154341"   "5221038"  <br>"5229070"   "5233504"  <br>"5400953").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 15:55 |
| S14 | 14 | ("5540379").URPN.   | USPAT                        | OR | ON | 2007/12/12 15:56 |
| S15 | 7  | ("5676305").URPN.   | USPAT                        | OR | ON | 2007/12/12 15:57 |
| S16 | 63 | ("2647065"   "3033702"  <br>"3073304"   "3359145"  <br>"3457919"   "3661744"  <br>"3898349"   "3917538"  <br>"4008341"   "4092376"  <br>"4100088"   "4170677"  <br>"4215209"   "4368131"  <br>"4430239"   "4472461"  <br>"4548862"   "4604229"  <br>"4644101"   "4645611"  <br>"4698907"   "4701276"  <br>"4737112"   "4740657"  <br>"4741850"   "4808638"  <br>"4846988"   "4855079"  <br>"4867910"   "4935147"  <br>"4938886"   "4946613"  <br>"4963220"   "4965007"  <br>"4992190"   "4997717"  <br>"5064550"   "5075034"  <br>"5076950"   "5084490"  <br>"5085789"   "5124060"  <br>"5128215"   "5141970"  <br>"5147573"   "5167850"  <br>"5180888"   "5221417"  <br>"5227233"   "5346558"  <br>"5349478"   "5366140"  <br>"5380549"   "5382373"  <br>"5438223"   "5486427"  <br>"5597618"   "5769996").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 15:58 |
| S17 | 10 | ("6180226").URPN.   | USPAT                        | OR | ON | 2007/12/12 16:00 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S18 | 19 | ("5130779"   "5234149"  <br>"5534127"   "5545465"  <br>"5586715"   "5597110"  <br>"5640051"   "5641990"  <br>"5672260"   "5735452"  <br>"5766674"   "5803344"  <br>"5914274"   "5938106"  <br>"6000603"   "6005399"  <br>"6094832"   "6099935"  <br>"6109507").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:02 |
| S19 | 11 | ("3381081"   "3392442"  <br>"3621564"   "4739917"  <br>"5361966"   "5540379"  <br>"5634268"   "5655703").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:03 |
| S20 | 10 | ("5655703").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:04 |
| S21 | 8  | ("5803344").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:05 |
| S22 | 11 | ("4132341"   "4739917"  <br>"4939022"   "5485294"  <br>"5803343"   "5803344"  <br>"5831828"   "5832595"  <br>"5924623"   "5939969"  <br>"5966067").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:06 |
| S23 | 0  | ("6164520").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:06 |
| S24 | 34 | ("1067415"   "3002847"  <br>"3458925"   "3569607"  <br>"3719981"   "4369376"  <br>"4489923"   "4545610"  <br>"4759490"   "4832255"  <br>"4898320"   "4906823"  <br>"5022580"   "5024372"  <br>"5046161"   "5105537"  <br>"5108027"   "5118027"  <br>"5118029"   "5133495"  <br>"5139610"   "5162257"  <br>"5217597"   "5219117"  <br>"5261593"   "5271548"  <br>"5307983"   "5317438"  <br>"5323947"   "5346118"  <br>"5505367").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:08 |
| S25 | 38 | ("5586715").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:09 |
| S26 | 3  | ("6264097").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:12 |
| S27 | 10 | ("20010040290"   "20020031868"<br>  "5212216"   "5908317"  <br>"6100475"   "6145011"  <br>"6159837"   "6165885"  <br>"6264097"   "6348401").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:13 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S28 | 52 | (<br>"3359145"   "3661744"  <br>"3898349"   "3917538"  <br>"4008341"   "4092376"  <br>"4100088"   "4170677"  <br>"4215209"   "4368131"  <br>"4430239"   "4548862"  <br>"4604229"   "4644101"  <br>"4645611"   "4698907"  <br>"4701276"   "4737112"  <br>"4740657"   "4741850"  <br>"4808638"   "4846988"  <br>"4855079"   "4867910"  <br>"4935147"   "4938886"  <br>"4946613"   "4963220"  <br>"4965007"   "4992190"  <br>"4997717"   "5064550"  <br>"5075034"   "5076950"  <br>"5084490"   "5085789"  <br>"5124060"   "5128215"  <br>"5141970"   "5147573"  <br>"5167850"   "5180888"  <br>"5221417"   "5346558"  <br>"5349478"   "5366140"  <br>"5380549"   "5382373"  <br>"5438223"   "5486427"  <br>"5769996").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:14 |
| S29 | 25 | (<br>"4635093"   "4992847"  <br>"5186381"   "5193738"  <br>"5329423"   "5377902"  <br>"5468655"   "5577944"  <br>"5598196"   "5615827"  <br>"5641113"   "5681757"  <br>"5736074"   "5746844"  <br>"5772106"   "5778964"  <br>"5779971"   "5861323"  <br>"5868305"   "5876615"  <br>"5894985"   "5938102"  <br>"6137062"   "6236111"  <br>"6404061").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:15 |
| S30 | 45 | ("5193738").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:18 |
| S31 | 6  | (<br>"4828886"   "5193738"  <br>"5597110"   "5633204"  <br>"6313651"   "6335271").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:19 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S32 | 45 | ("2191704"   "3301741"  <br>"3331729"   "3413168"  <br>"3554835"   "4289821"  <br>"4322450"   "4397905"  <br>"4427732"   "4713273"  <br>"4761320"   "4771891"  <br>"4889234"   "4971854"  <br>"5141790"   "5194299"  <br>"5268228"   "5273805"  <br>"5296277"   "5344681"  <br>"5344693"   "5362516"  <br>"5449540"   "5462765"  <br>"5487929"   "5585178"  <br>"5589246"   "5591290"  <br>"5650215"   "5676787"  <br>"5731073"   "5795636"  <br>"5853862"   "5866220"  <br>"5897930"   "5906883"  <br>"6001471"   "6083616"  <br>"6123890"   "6197397").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:22 |
| S33 | 3  | ("4370403"   "5534372"  <br>"6207004").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:23 |
| S34 | 9  | ("4522864"   "5817385"  <br>"5958560"   "5962110"  <br>"6042881"   "6074721"  <br>"6123890"   "6264786"  <br>"6299967").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:23 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S35 | 96 | ("2724674"   "2823146"  <br>"3808680"   "3879572"  <br>"3913219"   "3937857"  <br>"3954570"   "3957694"  <br>"3988647"   "4006047"  <br>"4088801"   "4100037"  <br>"4248921"   "4278702"  <br>"4327124"   "4368281"  <br>"4369269"   "4369557"  <br>"4387115"   "4406826"  <br>"4457861"   "4495546"  <br>"4496607"   "4517739"  <br>"4518833"   "4522888"  <br>"4560445"   "4581301"  <br>"4595604"   "4595605"  <br>"4634623"   "4668533"  <br>"4670351"   "4677017"  <br>"4682415"   "4853252"  <br>"4921623"   "5006397"  <br>"5059242"   "5061551"  <br>"5062916"   "5082734"  <br>"5098771"   "5131141"  <br>"5218168"   "5227223"  <br>"5232767"   "5270368"  <br>"5286415"   "5340640"  <br>"5344591"   "5366760"  <br>"5385787"   "5389403"  <br>"5403649"   "5407473"  <br>"5437916"   "5442334"  <br>"5461202"   "5461775"  <br>"5622652"   "5645932"  <br>"5681441"   "5733598"  <br>"5758575"   "5761801"  <br>"5763058"   "5792594"  <br>"5882722"   "5928767"  <br>"5935640"   "5951918"  <br>"5956060"   "5973598"  <br>"6010771"   "6014805"  <br>"6027762"   "6036889"  <br>"6076723"   "6084007"  <br>"6104311"   "6137687"  <br>"6166915"   "6197425"  <br>"6200451"   "6252550"  <br>"6259369"   "6265977"  <br>"6299749"   "6308406"  <br>"6342266"   "6356234"  <br>"6404339"   "6407706").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:24 |
| S36 | 10 | ("5622652").URPN.   | USPAT                        | OR | ON | 2007/12/12 16:25 |
| S37 | 10 | ("4821948"   "5065932"  <br>"5193738"   "5320273"  <br>"5328085"   "5364011"  <br>"5415679"   "5746368"  <br>"5774145"   "5779971").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:27 |
| S38 | 3  | ("4828886"   "5229016"  <br>"5377961").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:27 |
| S39 | 20 | ("5779971").URPN.   | USPAT                        | OR | ON | 2007/12/12 16:27 |



## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S40 | 6  | ("6076723").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:29 |
| S41 | 1  | ("6057067").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:29 |
| S42 | 48 | ("2191704"   "3301741"  <br>"3331729"   "3413168"  <br>"3554835"   "4289821"  <br>"4322450"   "4397905"  <br>"4427732"   "4556595"  <br>"4713273"   "4721638"  <br>"4761320"   "4771891"  <br>"4889234"   "4971854"  <br>"5141790"   "5194299"  <br>"5268228"   "5273805"  <br>"5296277"   "5344681"  <br>"5344693"   "5362516"  <br>"5449540"   "5462765"  <br>"5487929"   "5585178"  <br>"5589246"   "5591290"  <br>"5650215"   "5676787"  <br>"5731073"   "5795636"  <br>"5853862"   "5866220"  <br>"5897930"   "5906883"  <br>"6001471"   "6083616"  <br>"6123890"   "6197397"  <br>"6565697").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:30 |
| S43 | 12 | ("5232736"   "5309837"  <br>"5553538"   "5709905"  <br>"5751910"   "5791243"  <br>"5880017"   "5882720"  <br>"5988856"   "5996487"  <br>"6171399"   "6907824").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:31 |
| S44 | 16 | ("4610200"   "5052291"  <br>"5134665"   "5176078"  <br>"5459941"   "5553538"  <br>"5709905"   "5730051"  <br>"5735203"   "5740729"  <br>"5752446"   "5882720"  <br>"6036994"   "6131511"  <br>"6715413"   "6820545").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:32 |
| S45 | 4  | ("4688939"   "5495337"  <br>"5509597"   "5586715").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:34 |
| S46 | 3  | ("4965092"   "5066883"  <br>"6060113").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 16:35 |
| S47 | 34 | ("6060113").URPN.  | USPAT                        | OR | ON | 2007/12/12 16:35 |

## EAST Search History

|     |    |  |                                 |    |    |                  |
|-----|----|--|---------------------------------|----|----|------------------|
| S48 | 17 | ("20040201048"   "20040234690"   "20050003645"   "20050007398"   "20050064633"   "20050170076"   "20050170550"   "20050186403"   "20050191781"   "5807437"   "6017259"   "6060113"   "6531392"   "6613399"   "6761925"   "6810814"   "6827619").PN.                                    | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/12 16:36 |
| S49 | 12 | ("3949121"   "4432003"   "5807437"   "5876615"   "6017259"   "6060113"   "6164850"   "6210245"   "6309691"   "6501663"   "6503831"   "6673388").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/12 16:37 |
| S50 | 15 | ("4104645"   "4291316"   "4523199"   "5059266"   "5132248"   "5149548"   "5182571"   "5502585"   "5510066"   "5539100"   "5705826"   "6059393"   "6100954"   "6120588"   "6402403").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/12 16:38 |
| S51 | 10 | ("4088799"   "4297782"   "4299860"   "4349408"   "4493143"   "4495255"   "4511600"   "4526807"   "4560580"   "4568411").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/12/12 16:39 |
| S52 | 69 | ("6503831").URPN.  | USPAT                           | OR | ON | 2007/12/12 16:39 |
| S53 | 33 | screen near2 print\$3 with (adhesive solder) near3 (paste ink liquid medium) and (jet\$4 drop\$4) near3 (print\$3 dispens\$3) with (adhesive solder) near3 (paste ink liquid medium) and (add\$3 addition\$3 second multiple) near5 (layer print\$3 dispens\$3) with (adhesive solder) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/12/12 17:26 |
| S54 | 23 | screen near2 print\$3 with (adhesive solder) near3 (paste ink liquid medium) and (ink\$1jet jet\$4 drop\$4) near3 (print\$3 dispens\$3) with (adhesive solder) near3 (paste ink liquid medium) not S53   | USPAT;<br>EPO; JPO              | OR | ON | 2007/12/12 17:47 |
| S55 | 16 | screen near2 print\$3 with (combin\$5 addition after following then) with (ink\$1jet jet\$4 drop\$4) near3 (print\$3 dispens\$3) and (adhesive solder) near3 (paste ink liquid medium)   | USPAT;<br>EPO; JPO              | OR | ON | 2007/12/12 17:55 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S56 | 63 | screen near2 print\$3 with (adhesive solder) near3 (paste ink liquid medium) and (ink\$1jet jet\$4 drop\$4) with (print\$3 dispens\$3) with (adhesive solder) near3 (paste ink liquid medium)   | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/12 18:00 |
| S57 | 13 | (stencil screen) near2 print\$3 with (together \$2combin\$5 "with" \$2addition\$2) with (ink\$1jet jet\$4 drop\$4) with (print\$3 dispens\$3 diposit\$3) and (adhesive solder) near3 (paste ink liquid medium)  | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/12 18:22 |
| S58 | 20 | (stencil screen) near2 print\$3 with (follow\$3 then after prior) with (ink\$1jet jet\$4 drop\$4) with (print\$3 dispens\$3 diposit\$3) and (adhesive solder) near3 (paste ink liquid medium)   | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/12 18:28 |
| S59 | 11 | (first prior) with (stencil screen) near2 print\$3 same (together follow\$3 then after second addition\$4 "in combine" "in combination" "in combining") with (ink\$1jet jet\$4 drop\$4) with (print\$3 dispens\$3 diposit\$3) and (adhesive solder) near3 (paste ink liquid medium) | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/13 10:56 |
| S60 | 19 | ("5130779"   "5234149"   "5534127"   "5545465"   "5586715"   "5597110"   "5640051"   "5641990"   "5672260"   "5735452"   "5766674"   "5803344"   "5914274"   "5938106"   "6000603"   "6005399"   "6094832"   "6099935"   "6109507").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/12 18:56 |
| S61 | 30 | ("5545465").URPN.   | USPAT                        | OR | ON | 2007/12/12 18:58 |
| S62 | 27 | ("5597110").URPN.   | USPAT                        | OR | ON | 2007/12/13 12:17 |
| S63 | 14 | ("5964395").URPN.   | USPAT                        | OR | ON | 2007/12/13 12:19 |
| S64 | 10 | ("3248476"   "3825164"   "3928907"   "4816219"   "5170930"   "5320272"   "5340015"   "5381945"   "5597110").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 12:20 |
| S65 | 5  | ("4636073"   "4761699"   "5156997"   "5186383"   "5221038").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 12:21 |
| S66 | 21 | ("5156997").URPN.   | USPAT                        | OR | ON | 2007/12/13 12:22 |
| S67 | 19 | ("5320272").URPN.   | USPAT                        | OR | ON | 2007/12/13 12:23 |

## EAST Search History

|     |     |  |                              |    |    |                  |
|-----|-----|--|------------------------------|----|----|------------------|
| S68 | 8   | ("3607253"   "5039576"  <br>"5320272"   "5569433"  <br>"5759381"   "5942185"  <br>"6110608"   "6187114").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 12:23 |
| S69 | 5   | ("3982265"   "5178685"  <br>"5320272"   "5328520"  <br>"5569433").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 12:24 |
| S70 | 2   | ("4950272"   "5320272").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 12:25 |
| S71 | 25  | ("5534127").URPN.  | USPAT                        | OR | ON | 2007/12/13 12:25 |
| S72 | 25  | ("5534127").URPN.  | USPAT                        | OR | ON | 2007/12/13 12:27 |
| S73 | 14  | ("5964395").URPN.  | USPAT                        | OR | ON | 2007/12/13 12:27 |
| S74 | 268 | (mask stencil screen) near2<br>print\$3 and (ink\$1jet jet\$4 drop\$4<br>microdroplet inject\$3) with<br>(print\$3 dispense\$3 deposit\$3<br>eject\$3 inject\$3) with (head<br>nozzle) and (adhesive solder)<br>near3 (paste ink liquid medium)  | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/13 15:22 |
| S75 | 30  | (mask stencil screen) near2<br>print\$3 same (ink\$1jet jet\$4<br>drop\$4 microdroplet inject\$3) with<br>(print\$3 dispense\$3 deposit\$3<br>eject\$3 inject\$3) with (head<br>nozzle) and (adhesive solder)<br>near3 (paste ink liquid medium) | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/13 18:02 |
| S76 | 2   | ("4956654").URPN.  | USPAT                        | OR | ON | 2007/12/13 15:30 |
| S77 | 3   | ("5153610").URPN.  | USPAT                        | OR | ON | 2007/12/13 15:30 |
| S78 | 8   | ("2512743"   "4189734"  <br>"4296421"   "4394670"  <br>"4480259"   "4490728"  <br>"4528574").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 15:30 |
| S79 | 4   | ("4722470"   "5060844"  <br>"5147084"   "5400953").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 15:38 |
| S80 | 79  | ("5492266").URPN.  | USPAT                        | OR | ON | 2007/12/13 15:38 |
| S81 | 10  | ("6042684").URPN.  | USPAT                        | OR | ON | 2007/12/13 16:12 |
| S82 | 7   | ("1979649"   "4646977"  <br>"4989788"   "5056440"  <br>"5975431"   "6042684").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:12 |
| S83 | 9   | ("5075152"   "5171132"  <br>"5271724"   "5277556"  <br>"5375079"   "5376252"  <br>"5736188"   "5750240"  <br>"5824204").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:15 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S84 | 46 | (<br>"2688649"   "3006980"  <br>"3209255"   "3230115"  <br>"3607430"   "3993508"  <br>"4153345"   "4161815"  <br>"4172184"   "4177552"  <br>"4242424"   "4389470"  <br>"4400452"   "4539275"  <br>"4609597"   "4614026"  <br>"4614695"   "4664993"  <br>"4749875"   "4756717"  <br>"4804275"   "5035965"  <br>"5055968"   "5147985"  <br>"5225291"   "5250905"  <br>"5339024"   "5350645"  <br>"5392032"   "5396177"  <br>"5418086"   "5495250"  <br>"5518841"   "5542959"  <br>"5563002"   "5627472"  <br>"5635312"   "5637418"  <br>"5652043"   "5656393"  <br>"5763058"   "6030721") .PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:23 |
| S85 | 33 | (<br>"2382920"   "2571064"  <br>"3037457"   "3097554"  <br>"3384931"   "3804011"  <br>"3921520"   "3921521"  <br>"3965817"   "4023486"  <br>"4043683"   "4075089"  <br>"4485736"   "4622239"  <br>"4636406"   "4715278"  <br>"4720402"   "4961955"  <br>"5044306"   "5050496"  <br>"5287806"   "5309837"  <br>"5364011"   "5395643"  <br>"5407488"   "5452655"  <br>"5553540"   "5640907") .PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:26 |
| S86 | 28 | ("3384931").URPN.  | USPAT                        | OR | ON | 2007/12/13 16:28 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S87 | 52 | ("3601523"   "4106187"  <br>"4283243"   "4360570"  <br>"4622239"   "4700474"  <br>"4777721"   "4783247"  <br>"4884337"   "4964948"  <br>"4995941"   "5040717"  <br>"5053921"   "5058265"  <br>"5133120"   "5145691"  <br>"5220723"   "5274916"  <br>"5451721"   "5456004"  <br>"5471091"   "5532516"  <br>"5540779"   "5578151"  <br>"5591353"   "5610103"  <br>"5637834"   "5662987"  <br>"5699613"   "5744285"  <br>"5753976"   "5761803"  <br>"5766670"   "5822856"  <br>"5824155"   "5851344"  <br>"5894985"   "5906042"  <br>"5925414"   "5994779"  <br>"6000129"   "6009620"  <br>"6015083"   "6027006"  <br>"6079100"   "6090474"  <br>"6106891"   "6138350"  <br>"6153508"   "6276055"  <br>"6281448"   "6282782").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:30 |
| S88 | 19 | ("3601523"   "4283243"  <br>"4360570"   "4700474"  <br>"4777721"   "4783247"  <br>"4884337"   "4964948"  <br>"5220723"   "5274916"  <br>"5456004"   "5591353"  <br>"5699613"   "5744285"  <br>"5761803"   "5822856"  <br>"5906042"   "6000129"  <br>"6009620").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:34 |
| S89 | 9  | ("2848359"   "4107837"  <br>"4323593"   "4908940"  <br>"4925723"   "4964948"  <br>"5274916"   "5456004").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 16:34 |
| S90 | 22 | ("5761803").URPN.  | USPAT                        | OR | ON | 2007/12/13 16:34 |
| S91 | 12 | ("5159171").URPN.  | USPAT                        | OR | ON | 2007/12/13 17:47 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S92 | 33 | ("20020040521"   "3647533"  <br>"4661192"   "4831724"  <br>"4871110"   "5052102"  <br>"5159171"   "5164566"  <br>"5219117"   "5279045"  <br>"5431332"   "5479703"  <br>"5495089"   "5551148"  <br>"5620927"   "5654204"  <br>"5655704"   "5741410"  <br>"5745986"   "5750199"  <br>"5762258"   "5763854"  <br>"5782399"   "5839641"  <br>"5899737"   "5941449"  <br>"5977512"   "6056190"  <br>"6063701"   "6162661"  <br>"6234382"   "6268275"  <br>"6412685").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 17:49 |
| S93 | 3  | (mask stencil screen) near3<br>print\$3 same (together follow\$3<br>then after second addition\$4 "in<br>combine" "in combination" "in<br>combining") same (ink\$1jet jet\$4<br>drop\$4 microdroplet inject\$3) with<br>(print\$3 dispens\$3 diposit\$3<br>eject\$3 inject\$3) with (head<br>nozzle) and (adhesive solder<br>conduct\$3 metal\$3) near4 (paste<br>ink liquid medium) same (second<br>multiple) with layer   | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/13 18:46 |
| S94 | 41 | (mask stencil screen) near3<br>print\$3 with (together follow\$3<br>then after second addition\$4 "in<br>combine" "in combination" "in<br>combining") with (ink\$1jet jet\$4<br>drop\$4 microdroplet inject\$3) with<br>(print\$3 dispens\$3 diposit\$3<br>eject\$3 inject\$3) with (head<br>nozzle)  | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/13 18:09 |
| S95 | 26 | (mask stencil screen) near3<br>print\$3 and (together follow\$3<br>then after second addition\$4 "in<br>combine" "in combination" "in<br>combining") with (ink\$1jet jet\$4<br>drop\$4 microdroplet inject\$3) with<br>(print\$3 dispens\$3 diposit\$3<br>eject\$3 inject\$3) with (head<br>nozzle) and (adhesive solder<br>conduct\$3 metal\$3 glue) near4<br>(paste ink liquid medium glue)<br>same (second multiple) with layer                                  | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/13 18:58 |
| S96 | 3  | ("5920330"   "6036299"  <br>"6766817").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 18:48 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S97 | 11 | ("20020070382"   "20030054653"<br>  "20030059987"   "20040147066"<br>  "20040253835"   "5132248"  <br>"6294401"   "6362507"  <br>"6514801"   "6713389"  <br>"6794220").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 18:49 |
| S98 | 18 | ("4104645"   "4291316"  <br>"4523199"   "5059266"  <br>"5132248"   "5149548"  <br>"5182571"   "5502585"  <br>"5510066"   "5539100"  <br>"5685491"   "5705826"  <br>"6059393"   "6100954"  <br>"6120588"   "6402403"  <br>"6503831"   "6596224").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/12/13 18:51 |
| S99 | 17 | first with (mask stencil screen)<br>near3 print\$3 and (ink\$1jet jet\$4<br>drop\$4 microdroplet inject\$3) with<br>(print\$3 dispens\$3 diposit\$3<br>eject\$3 inject\$3) with (head<br>nozzle) and (adhesive solder<br>conduct\$3 metal\$3 glue) near4<br>(paste ink liquid medium glue)<br>same (second multiple) with layer | USPAT;<br>EPO; JPO           | OR | ON | 2007/12/14 10:18 |